

REVERSE LAYERED, CATALYZED ADSORBER SYSTEM

ABSTRACT OF THE DISCLOSURE

A reverse-layered, catalyzed adsorber system for treating exhaust gas comprises a catalyst washcoat supported by a catalyst substrate, with an adsorption material disposed over at least a portion of the catalyst washcoat. During the treatment of the hydrocarbons from an internal combustion engine exhaust, the adsorption material layer adsorbs hydrocarbons from the exhaust gas. A built-in catalyst layer later catalyzes the conversion of the hydrocarbons released from the adsorption material when the adsorber system is hot.